



**Report to the Legislature**

**ADDENDUM TO: General Assistance Medical  
Care Management Project**

Chapter 7, Laws of 2001, E2, Section 209 (19) (uncodified)

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**Originally submitted October 15, 2002**

This addendum contains updated data regarding the General Assistance – Unemployable (GA-U) population, the subject of a mandated report that was submitted to the policy and fiscal committees in October 2002. In November and December of 2002, the Department of Social and Health Services (DSHS) Research and Data Analysis Division conducted additional analysis on Washington State’s Medicaid population. In our original report, Medical Assistance Administration stated that continued data analysis was expected to define the GA-U population in more detail, particularly in regards to use of services and expenditures for FY 2001. We are providing the updated data tables and appendices resulting from that analysis along with a brief summary describing the characteristics of the GA-U population as impacted by the new figures.

The new information stems from two basic changes in the analyses:

1. GA-U clients were initially selected based on four years of eligibility: FY 1998 - FY 2001. The revised analyses are based solely on clients who were eligible for GA-U in a single year: FY 2001. This change limits analyses to a more recent cohort of GA-U clients.
2. The original report included **total** medical, behavioral health, and long-term care expenditures for GA-U clients during the entire fiscal year (2001), including costs during months in which a client was eligible for Medicaid under other programs (e.g., Supplemental Security Income (SSI)). In the updated analyses contained in this addendum, expenditures were limited to only those months in which a client was eligible for GA-U. As a result, the current analyses exclude expenditures for services that occurred after clients had transitioned to other medical assistance programs, such as SSI. The precision of the updated analyses will support more accurate modeling for capitation purposes and program development.



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## Overview

In Fiscal Year (FY) 2001, 18,673 clients received medical, behavioral health and long-term care from the Department of Social and Health Services (DSHS) through the state-funded General Assistance-Unemployable (GA-U) program. The total number of clients actually eligible for GA-U benefits was 21,717. Thus, 14 percent of those eligible under GA-U did not actually use medical care, behavioral health services, long-term care or other support services during FY 2001.

Of the 21,717 GA-U clients who were eligible for services in FY 2001, the top 10percent in costs were flagged as members of a high cost group with respect to DSHS expenditures. The following Tables and Figures portray sample, demographic, geographic, utilization and cost data important to understanding this population and tailoring programs and interventions.

## Total Expenditures

The FY 2001 expenditures for GA-U clients were obtained for services administered by four DSHS programs: Medical Assistance Administration (MAA), Aging and Adult Services Administration (AASA)<sup>1</sup>, Mental Health Division (MHD), and Division of Alcohol and Substance Abuse (DASA). The cost for providing services to GA-U clients from these DSHS programs totaled \$56 million. The cost to care for the top 10 percent of GA-U clients was \$30 million, or 54 percent of the total expenses for the GA-U clients.

**Table 1. Costs for Medical, Behavioral Health, Long-Term Care and Chemical Dependency Services, FY 2001**

GA-U	Clients	All Clients		High Cost Group	
		Total Paid (millions)	Paid Per Client	Total Paid (millions)	Paid Per Client
Clients receiving Services	18,788	\$56	\$584	2,172	\$30
Eligible Clients not receiving Services	2,929	\$0	\$0		
Total	21,717	\$56	\$539		

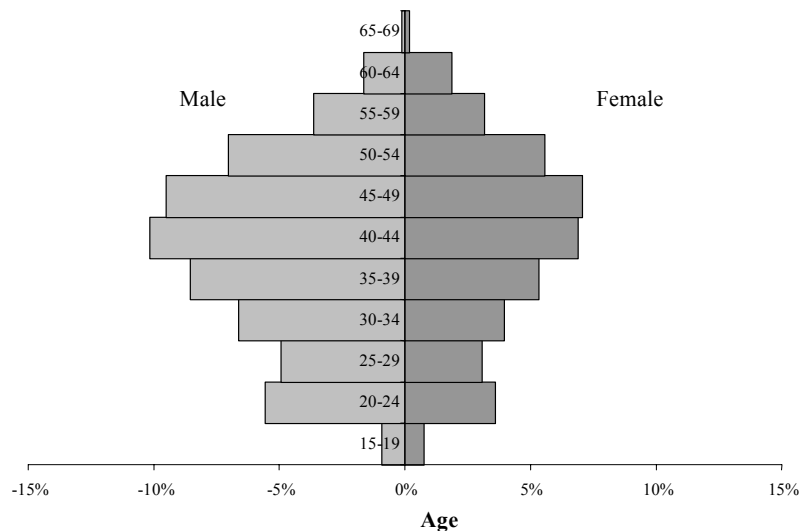
Note: In all subsequent tables and graphs, the term “all clients” refers to those who received services that were recorded either in DSHS’ Medical Management Information System (MMIS), Extended Data Base (EDB), or Client Services Data Base (CSDB)

<sup>1</sup> In October 2002, AASA and the Division of Developmental Disabilities were combined into a new administration within DSHS called the Aging and Disability Services Administration. Since this report pertains to services provided in FY 2001, however, the administrative entities and their names at that time are used in this report.

## Population Pyramids

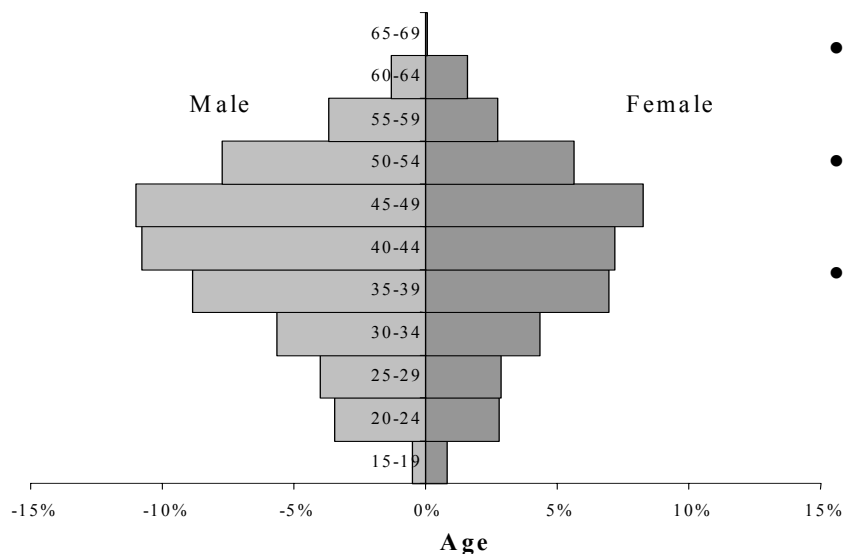
Figures 1 and 2 show the distribution of male and female clients for five-year age categories.

**Figure 1. GA-U Population by Age and Gender – All GA-U Clients**



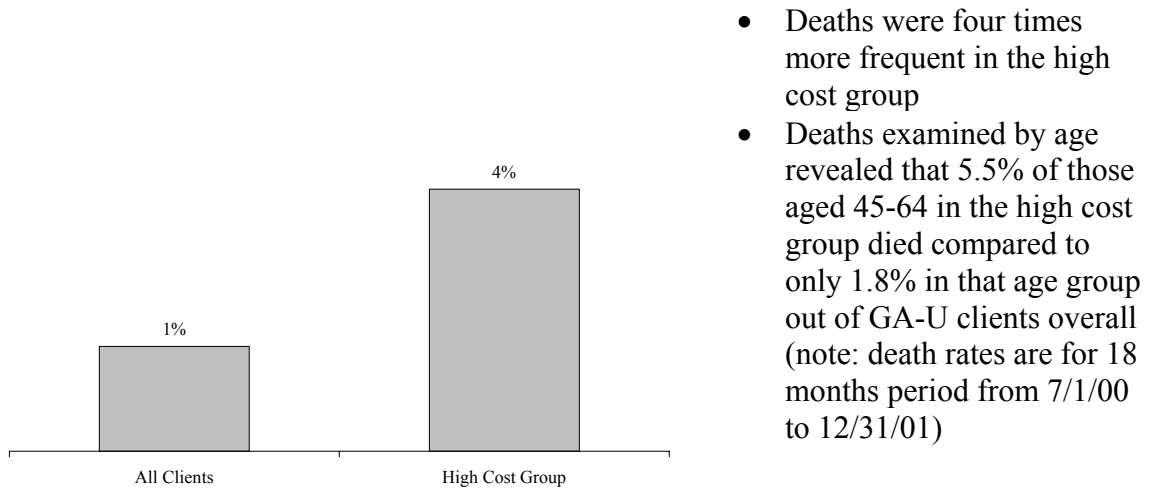
- Largest 5-year age groups are 40-44 and 45-49
- 59% of GA-U clients are men
- Males outnumber females from 18 through 59

**Figure 2. GA-U Population by Age and Gender – High-Cost GA-U Clients**



- Majority (57%) of high cost GA-U clients are men
- Men outnumber women in the 20-59 years age groups
- 58% Are between 18 and 44 years old

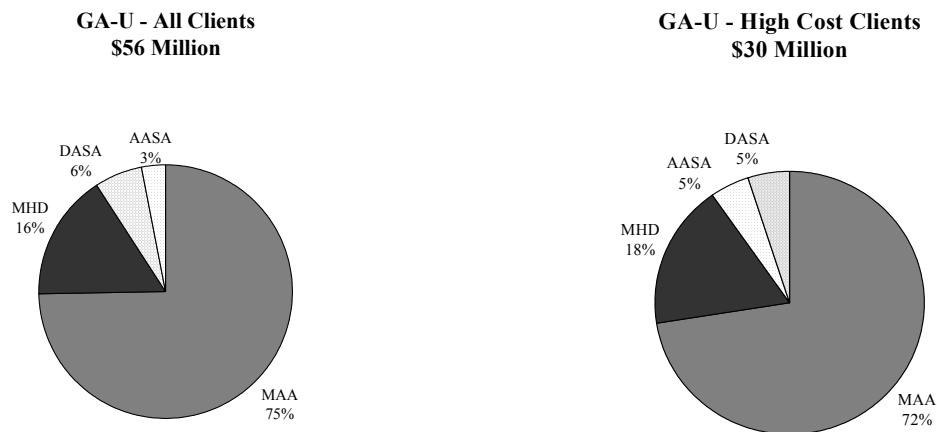
**Figure 3. Death Rates for GA-U Clients, July 2000 – December 2001**



## Distribution of Total Expenditures

Pie charts in Figure 4 illustrate the distribution of total expenditures across DSHS programs. Separate charts are presented for the GA-U clients in general and for the high cost group.

**Figure 4. Total Expenditures by DSHS Programs, GA-U Clients**



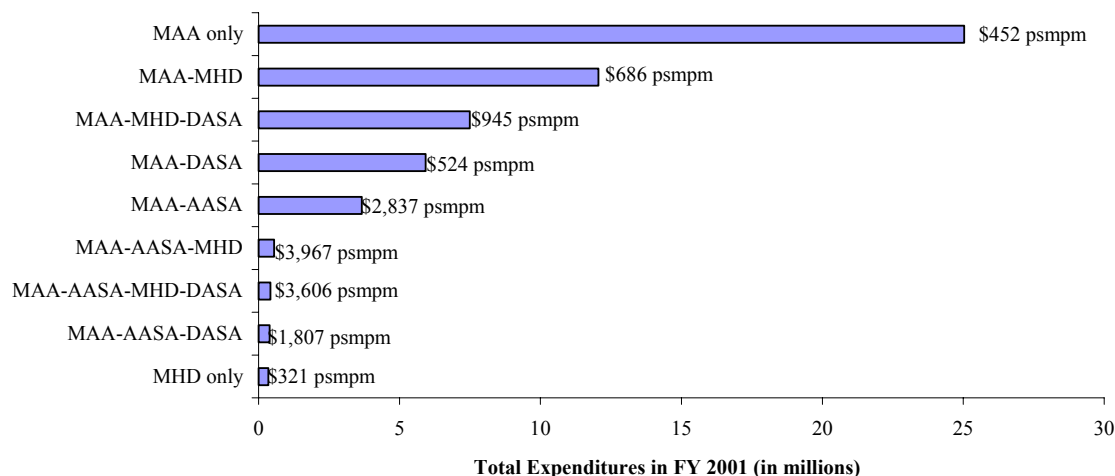
- Distribution of costs by program of all GA-U clients and the high cost group are roughly the same:
  - Most costs are for medical care paid for through MAA programs.
  - Mental health costs comprise the second highest costs for both groups.

- Proportionally greater Nursing home and adult residence costs account for the slightly greater proportion of cost attributable to AASA in the high cost group.
- Chemical dependency treatment accounts for a similar share of costs for both groups.

## Multiple Program Use

The bar graphs in Figure 5 (all GA-U clients) and Figure 6 (high cost GA-U group) present information about multiple program use. Each graph ranks the program categories according to the total expenditures for clients served by that program or group of programs in FY 2001. The top nine most costly program combinations are included with the corresponding average cost per client shown next to each bar. This combined information helps clarify the extent of costs for different combinations of programs. On balance, the two graphs confirm that higher cost GA-U clients require more care from multiple programs, particularly the combination of MAA, MHD, and DASA.

**Figure 5. Multiple Program Use – All GA-U Clients  
Ranked by Total Expenditures in FY 2001**  
*Multiple program use is ranked by total \$ amount  
with \$ per served member per month (psmpm) shown at the right*

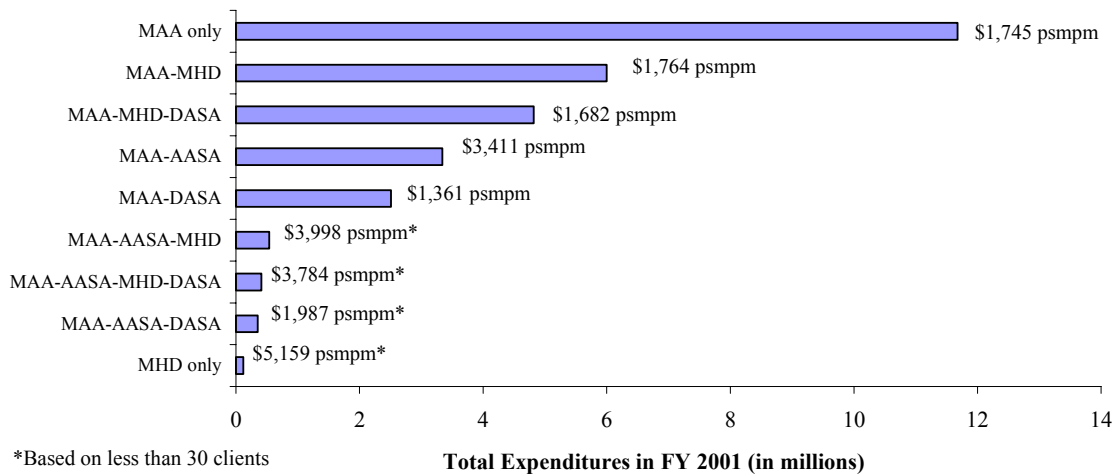


- Approximately 11,000 out of 18,788 (59%) served GA-U clients received only MAA services @ \$452 per served member per month (psmpm). High volume of usage results in a total expenditure of \$25,000,000 despite relatively low psmpm costs.

Although fewer clients used services from several administrations, resulting in less total expenditure, multi-program users incurred more expensive costs per served member per month, and include:

- 3,368 clients who used MAA-MHD services @ \$686 psmppm for a total of \$12,055,060
- 1,282 MAA-MHD-DASA clients @ \$945 psmppm for a total of \$7,491,339
- 249 MAA-AASA clients @ \$2,837 psmppm for a total of \$3,660,270
- With highest psmppm costs, 29 MAA-AASA-MHD clients @ \$3,967 psmppm, but only \$551,422 total.

**Figure 6. Multiple Program Use – High-Cost GA-U Clients  
Ranked by Total Expenditures in FY 2001**  
*Multiple program use is ranked by total \$ amount  
with \$ per served member per month shown at the right*

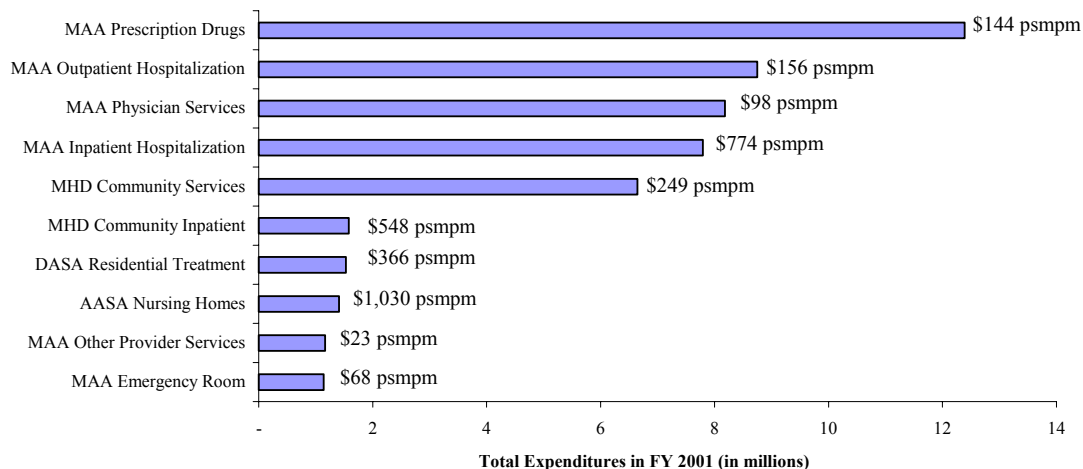


- 40% of the most expensive GA-U clients received only medical services administered by MAA for a total of nearly \$12 million with average costs per member per month of \$1745. This is almost four times the psmppm costs for the general population of GA-U clients using MAA services only
- The high cost GA-U clients were more likely to receive mental health services and treatment for chemical dependency in conjunction with medical care than GA-U clients in general: 17% were served by MAA-MHD-DASA, as compared with 7% of GA-U clients overall.
- AASA service use was also much more common in higher cost clients: 7% of high cost clients used a combination of AASA-MAA services, as compared with 1.3% of GA-U clients overall.

## Type of Service

Figures 7 and 8 show the nine most costly types of service ranked by total expenditures in FY 2001 for all GA-U and high cost clients respectively. The average cost per served client per month (psmpm) is shown next to each bar to illustrate the client costs for each type of service.

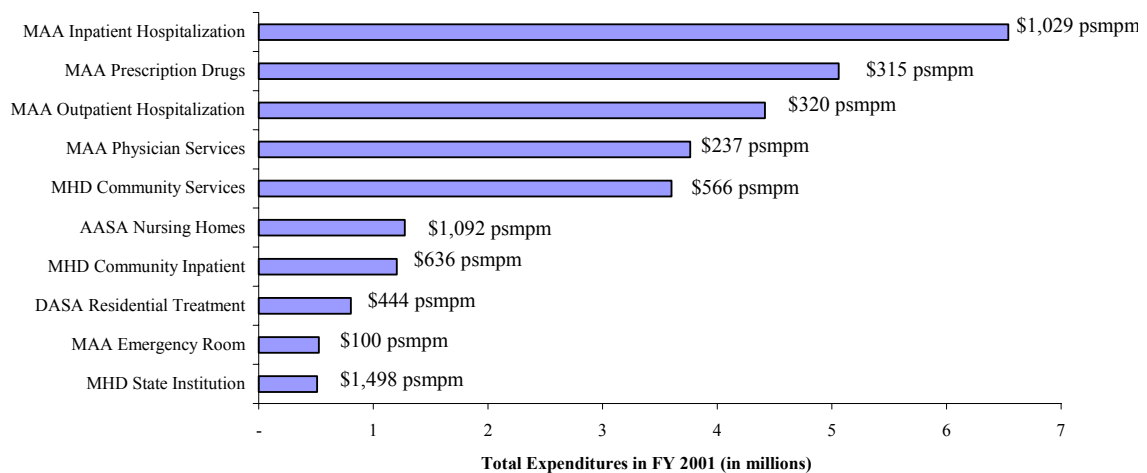
**Figure 7. Type of Service – All GA-U Clients**  
**Ranked by Total Expenditures in FY 2001**  
*Type of service received is ranked by total \$ amount*  
*with \$ per served member per month (psmpm) shown at the right*



- Prescription drug use resulted in the highest total expenditures for GA-U clients: slightly over \$2 million in FY 2001 with an average of \$144 paid for each of the 15,825 clients who received prescription drugs per month of eligibility in the GA-U program.
- Outpatient hospital care accounted for about \$9 million in expenditures and inpatient hospital care for roughly \$8 million.
- Emergency room care was received by only 12% of all GA-U clients, incurring the relatively modest expenditures of \$68 psmpm and about \$1,000,000 overall in FY 2001.

Figure 8 shows the most costly types of services ranked by total expenditures among the top 10 percent most costly GA-U clients in FY 2001.

**Figure 8. Type of Service – High-Cost GA-U Clients**  
**Ranked by Total Expenditures in FY 2001**  
*Type of service received is ranked by total \$ amount*  
*with \$ per served member per month (psmpm) shown at the right*



- Inpatient hospitalizations accounted for \$6.5 million of the \$30 million expended on the high-cost GA-U clients, with a monthly average of \$1,029 per client served.
- Prescription drugs accounted for another \$5 million and outpatient hospitalizations \$4.4 million.
- Hospitalization at a state institution was a rare but expensive event, with 73 clients accounting for about \$509,000 overall and \$1,498 psmpm.
- Emergency room care was received by about 30% of the most expensive GA-U clients, but remained a relatively low expenditure with \$100 psmpm and about \$525,000 overall.

## Prevalence Of Disease

The prevalence of many different types of diseases is much greater among high-cost GA-U clients than among the rest of the GA-U population, as shown in Table 2. This table compares the prevalence of disease in two groups—high-cost GA-U clients versus all other GA-U clients—using odds ratios. Included in the table are diagnoses for which the high-cost group has an odds ratio of 2.0 or more.<sup>2</sup> Thus, in 48 disease categories the high-cost group had a 2 to 1 chance or greater of having a given disease compared to the rest of the GA-U clients.

The high-cost clients had 11 times greater odds of having respiratory malignancies than the remaining GA-U clients. The high-cost group also had more than two times the odds of having asthma and chronic obstructive pulmonary disease (COPD). The elevated odds ratios for this group of diagnoses may have direct relevance for intervention strategies and program planning. Prevention of malignancy, control or prevention of COPD, and control of asthma are all related to tobacco smoking and cessation programs.

After respiratory malignancy, the next highest odds ratios for GA-U clients included such diseases as leukemia, immune disorders, and gastro-intestinal malignancies, but none of these disorders (alone or in combination) were as common in the high-cost group as the respiratory conditions referenced above.

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<sup>2</sup> The odds ratio compares how often a chronic condition like nephritis, bleeding disorder, or organic psychosis is present in the high cost group to how often it is present in the remainder of the client's in this eligibility category. An odds ratio equal to 1 with respect to a particular disease would mean that the high cost clients and the remaining clients in the group have the same 'odds' of having the disease (ratio of presence to absence of the disease). An odds ratio greater than 1 would mean that clients in the high-cost group have greater odds of having a given disease than the remaining clients in the eligibility category.



**Table 2. Disease Prevalence Rates, GA-U Clients**  
**Ranked by odds ratios: disease in high-cost group vs. other GA-U clients**

Primary Diagnosis	Prevalence Rates		Odds Ratio
	High Cost	Other GA-U Clients	
Respiratory Malignancies	2.2%	0.2%	11.3
Leukemia	0.6%	0.1%	9.2
Immune Disorders	2.6%	0.3%	9.1
Gastro-intestinal Malignancies	1.7%	0.3%	6.7
Congenital Cardiovascular Anomalies	1.0%	0.2%	5.8
Bleeding Disorders	1.8%	0.3%	5.5
Breast Cancer	1.3%	0.2%	5.4
Nephritis, Nephrotic Syndrome, Nephrosis	2.4%	0.5%	5.3
Nutritional Deficiencies	1.3%	0.3%	4.7
Peripheral Vascular Disease	3.8%	0.8%	4.6
Neoplasm of Uncertain Behavior	6.3%	1.5%	4.4
Disease of the Pulmonary Circulation	0.5%	0.1%	4.2
Poisoning by Medicinal & Biological Subst.	6.7%	1.7%	4.2
Ischemic Heart Disease	7.2%	1.9%	4.0
Eating Disorders	3.9%	1.1%	3.8
Congestive Heart Failure	4.5%	1.3%	3.7
Alcoholic/Drug Psychosis	13.5%	4.2%	3.5
Poisoning by Non-medicinal Substances	2.3%	0.7%	3.5
Cerebrovascular Disease	3.6%	1.1%	3.5
Upper Gastro-Intestinal Disorders	15.9%	5.4%	3.3
Hepatitis and Liver Diseases	7.8%	2.7%	3.0
Skin Disease	31.8%	13.6%	3.0
Inflammatory Bowel Disease	14.5%	5.5%	2.9
Infectious, General	15.7%	6.2%	2.8
Non-organic Psychosis	25.4%	11.1%	2.7
Male Genital Tract Disease	3.6%	1.4%	2.6
HIV/AIDS	1.9%	0.8%	2.5
Depression and Adjustment Reactions	18.7%	8.3%	2.5
Gynecological Diseases	1.7%	0.7%	2.5
Headaches	5.4%	2.2%	2.5
Chronic Obstructive Pulmonary Disease	10.4%	4.5%	2.5
Superficial Injuries, Contusions, Abrasions	13.4%	5.9%	2.5
Epilepsy	2.5%	1.1%	2.4
Congenital Anomalies	1.7%	0.7%	2.4
Connective Tissue Disorders, Polymyalgia	0.9%	0.4%	2.4
Peripheral Arthritis Conditions	14.0%	6.4%	2.4
Asthma	8.7%	3.9%	2.4
Diseases of the Upper Respiratory Tract	36.1%	19.4%	2.3
Organic Psychosis and Dementia (non-alc)	1.1%	0.5%	2.3
Non-malignant Disorders of the Breast	4.5%	2.0%	2.3
Infections with Public Health Implications	4.9%	2.2%	2.3
Diseases of Peripheral Nervous System	16.0%	8.1%	2.2
Fractures	15.4%	7.8%	2.2
Diseases of the Spine	33.8%	19.4%	2.1
Sprains and Strains	24.6%	13.5%	2.1
Childhood Mental Health Issues	1.2%	0.6%	2.1
Perinatal Problems	0.4%	0.2%	2.1
Hypertension	14.8%	8.1%	2.0

*Appendix A. General Assistance-Unemployable (GA-U) Clients*

*Services Provided by Department of Social and Health Services in FY2001*

*by Program and Category of Service<sup>a</sup>*

Program and Category of Service	All Adult GA-U Clients <sup>b</sup>					High-Cost Adult GA-U Clients <sup>c</sup>				
	Clients	Percent of Eligible Clients	Total Paid in GA-U Months	Per Served Client per Month	Per Eligible Client per Month	Clients	Percent of Eligible Clients	Total Paid in GA-U Months	Per Served Client per Month	Per Eligible Client per Month
				Eligible	Eligible				Eligible	Eligible
<b>Total Eligible</b>	21,717 <sup>d</sup>	100.0%	\$56,073,167	-	\$539	2,172	100.0%	\$29,796,208	-	\$1,835
<b>Total Served</b>	18,788	86.5%	\$56,073,167	\$584	-	2,172	100.0%	\$29,796,208	\$1,835	-
<b>Medical Assistance Administration</b>	18,085	83.3%	41,975,438	447	404	2,160	99.4%	21,587,911	1,332	1,330
Inpatient Hospitalization	1,592	7.3%	7,795,852	774	75	885	40.7%	6,539,769	1,029	403
Outpatient Hospitalization	9,394	43.3%	8,749,782	156	84	1,771	81.5%	4,416,685	320	272
Emergency Room	2,634	12.1%	1,142,628	68	11	664	30.6%	524,537	100	32
Physician	15,016	69.1%	8,183,420	98	79	2,097	96.5%	3,764,971	237	232
Other Provider	8,339	38.4%	1,164,405	23	11	1,456	67.0%	297,345	25	18
Prescription Drugs	15,825	72.9%	12,389,315	144	119	2,122	97.7%	5,060,033	315	312
Durable Medical Equipment	1,690	7.8%	453,288	41	4	575	26.5%	228,475	51	14
Transportation	1,439	6.6%	326,894	36	3	575	26.5%	186,971	44	12
All Other	5,859	27.0%	1,769,853	48	17	1,051	48.4%	569,125	65	35
<b>Aging and Adult Services Administration</b>	336	1.5%	1,640,413	923	16	219	10.1%	1,433,003	1,021	88
Nursing Homes	255	1.2%	1,409,281	1,030	14	185	8.5%	1,272,751	1,092	78
In-Home Services	67	0.3%	113,259	353	1	28	1.3%	61,378	321	4
Adult Family Homes	6	0.0%	18,172	757	0	4	0.2%	14,513	764	1
Assisted Living	4	0.0%	21,597	1,350	0	3	0.1%	17,648	1,261	1
Adult Residences	8	0.0%	50,663	724	0	5	0.2%	49,523	952	3
Miscellaneous	37	0.2%	27,442	115	0	27	1.2%	17,190	85	1
<b>Mental Health Division</b>	5,158	23.8%	8,902,897	329	86	898	41.3%	5,315,490	813	327
Community Inpatient	537	2.5%	1,581,463	548	15	292	13.4%	1,206,015	636	74
State Institution	133	0.6%	676,172	1,269	7	73	3.4%	509,368	1,498	31
Child Study Treatment	-	0.0%	-	-	-	-	0.0%	-	-	-
Community Services	5,090	23.4%	6,645,262	249	64	876	40.3%	3,600,107	566	222
<b>Division of Alcohol and Substance Abuse</b>	3,583	16.5%	3,554,419	174	34	625	28.8%	1,459,804	292	90
Outpatient Treatment	1,542	7.1%	958,260	103	9	307	14.1%	279,603	106	17
Residential Treatment	689	3.2%	1,529,146	366	15	225	10.4%	802,404	444	49
Opiate Substitution Treatment	259	1.2%	124,644	78	1	49	2.3%	31,306	73	2
Detoxification	559	2.6%	509,111	149	5	181	8.3%	253,433	178	16
Outpatient Assessment	601	2.8%	99,181	26	1	163	7.5%	29,616	22	2
ADATSA Assessment	1,887	8.7%	305,621	27	3	324	14.9%	55,990	21	3
Miscellaneous	225	1.0%	28,456	20	0	55	2.5%	7,452	16	0

<sup>a</sup>GA-U clients are those who were eligible for medical assistance in at least one month of FY2001 under the state-funded General Assistance-Unemployable program. Total expenditures are for DSHS services provided by: Medical Assistance Administration (MAA), Aging and Adult Services Administration (AASA), Mental Health Division (MHD), and Division of Alcohol and Substance Abuse (DASA).

<sup>b</sup>Adults are 18 years of age or older.

<sup>c</sup>High-cost clients represent the top 10% of GA-U clients based on total expenditures for services provided by MAA, AASA, MHD, and DASA in FY2001.

<sup>d</sup>The 21,717 total eligible GA-U clients include 2,929 who were eligible for Medicaid but did not receive services from MAA, AASA, MHD or DASA in FY2001.

*Appendix B: General Assistance-Unemployable (GA-U) Clients*

*Expenditures by DSHS Program Combination, FY2001<sup>a</sup>*

*(ranked based on Total Paid in GA-U Months)*

DSHS Programs Providing Service	All Adult GA-U Clients				High-Cost Adult GA-U Clients			
	Clients	Percent of Eligible Clients	Total Paid in GA-U Months	Per Served Client per Eligible Month	Clients	Percent of Eligible Clients	Total Paid in GA-U Months	Per Served Client per Eligible Month
<b>Total Served</b>	<b>18,788</b>	<b>86.5%</b>	<b>\$56,073,167</b>	<b>\$584</b>	<b>2,172</b>	<b>100.0%</b>	<b>\$29,796,208</b>	<b>\$1,835</b>
<b>Program Combination</b>								
MAA only	11,137	59.3%	25,037,454	452	877	40.4%	11,678,270	1,745
MAA-MHD	3,368	17.9%	12,055,060	686	481	22.1%	5,998,056	1,764
MAA-MHD-DASA	1,282	6.8%	7,491,339	945	366	16.9%	4,818,291	1,682
MAA-DASA	1,971	10.5%	5,927,867	524	218	10.0%	2,510,494	1,361
MAA-AASA	249	1.3%	3,660,270	2,837	153	7.0%	3,339,376	3,411
MAA-AASA-MHD	29	0.2%	551,422	3,967	26	1.2%	539,687	3,998
MAA-AASA-MHD-DASA	15	0.1%	418,323	3,606	14	0.6%	412,416	3,784
MAA-AASA-DASA	34	0.2%	392,097	1,807	25	1.2%	353,747	1,987
MHD only	413	2.2%	346,772	321	9	0.4%	118,665	5,159
DASA only	230	1.2%	112,786	154	-	0.0%	-	-
MHD-DASA	51	0.3%	67,230	382	2	0.1%	20,137	2,517
AASA only	9	0.0%	12,548	837	1	0.0%	7,070	2,357

<sup>a</sup>See footnotes to Appendix A for definitions of terms.

*Appendix C: General Assistance-Unemployable (GA-U) Clients*  
*Clients and Expenditures by Demographic Characteristics, FY2001*<sup>a</sup>

All Adult GA-U Clients					High-Cost Adult GA-U Clients				
		Percent of	Total Paid in	Per Eligible		Percent of	Total Paid in	Per Eligible	
	Clients	Eligible Clients	GA-U Months	Client per Eligible Month	Clients	Eligible Clients	GA-U Months	Client per Eligible Month	
<b>Total Eligible</b>	<b>21,717</b>	<b>100.0%</b>	<b>\$56,073,167</b>	<b>\$539</b>	<b>2,172</b>	<b>100.0%</b>	<b>\$29,796,208</b>	<b>\$1,835</b>	
<b>Age</b>									
18-44	13,089	60.3%	32,861,780	532	1,262	58.1%	17,170,354	1,840	
45-64	8,566	39.4%	23,132,352	551	909	41.9%	12,618,690	1,830	
65-74	62	0.3%	79,034	293	1	0.0%	7,164	651	
75-84									
85+									
<b>Gender</b>									
Female	8,979	41.3%	24,375,138	554	935	43.0%	12,287,379	1,686	
Male	12,736	58.6%	31,690,422	528	1,237	57.0%	17,508,829	1,956	
<b>Race/Ethnicity</b>									
White	16,067	74.0%	42,477,508	551	1,665	76.7%	22,668,552	1,810	
African American	2,140	9.9%	4,417,707	430	159	7.3%	2,079,745	1,729	
Asian American	554	2.6%	1,301,112	462	46	2.1%	685,453	2,052	
American Indian	877	4.0%	2,587,986	588	106	4.9%	1,572,731	1,918	
Hispanic	1,102	5.1%	2,825,206	563	102	4.7%	1,491,930	2,052	
Other/unknown	977	4.5%	2,463,648	563	94	4.3%	1,297,797	2,067	
<b>Mortality (by 12/31/01)</b>									
Living	21,415	98.6%	54,372,534	528	2,096	96.5%	28,416,448	1,792	
Deceased	302	1.4%	1,700,633	1,578	76	3.5%	1,379,760	3,641	

<sup>a</sup>See footnotes to Appendix A for definitions of terms.

*Appendix D: General Assistance-Unemployable (GA-U) Clients*  
*Expenditures by County, FY2001<sup>a</sup>*

	All Adult GA-U Clients				High-Cost Adult GA-U Clients			
		Percent of Eligible Clients	Total Paid in GA-U Months	Per Eligible Client per Eligible Month		Percent of Eligible Clients	Total Paid in GA-U Months	Per Eligible Client per Eligible Month
<b>Total Eligible</b>	<b>21,717</b>	<b>100.0%</b>	<b>\$56,073,167</b>	<b>\$539</b>	<b>2,172</b>	<b>100.0%</b>	<b>\$29,796,208</b>	<b>\$1,835</b>
<b>County</b>								
Adams	22	0.1%	60,876	780	1	0.0%	--	--
Asotin	71	0.3%	85,863	317	1	0.0%	--	--
Benton	349	1.6%	865,952	526	34	1.6%	396,711	1,422
Chelan	460	2.1%	1,707,986	638	81	3.7%	1,083,680	1,625
Clallam	491	2.3%	1,166,134	499	49	2.3%	651,170	1,746
Clark	966	4.4%	2,708,671	653	101	4.7%	1,569,781	2,371
Columbia	5	0.0%	8,018	382	0	0.0%	-	-
Cowlitz	479	2.2%	1,154,740	497	53	2.4%	536,741	1,380
Douglas	76	0.3%	188,250	409	7	0.3%	80,971	1,209
Ferry	76	0.3%	201,839	543	8	0.4%	89,535	1,444
Franklin	201	0.9%	456,670	514	17	0.8%	204,354	1,419
Garfield	1	0.0%	--	--	0	0.0%	-	-
Grant	275	1.3%	839,860	609	35	1.6%	417,900	1,589
Grays Harbor	286	1.3%	752,078	577	34	1.6%	391,906	1,781
Island	132	0.6%	340,626	534	17	0.8%	170,259	1,396
Jefferson	152	0.7%	410,548	514	17	0.8%	231,269	1,473
King	6,139	28.3%	15,906,802	545	597	27.5%	8,930,573	2,078
Kitsap	675	3.1%	1,447,044	438	54	2.5%	749,706	1,963
Kittitas	70	0.3%	131,959	394	6	0.3%	54,298	1,006
Klickitat	91	0.4%	254,660	568	6	0.3%	123,642	2,523
Lewis	307	1.4%	799,873	510	24	1.1%	351,864	1,751
Lincoln	28	0.1%	89,043	543	4	0.2%	39,967	1,378
Mason	183	0.8%	441,832	562	16	0.7%	224,333	1,674
Okanogan	335	1.5%	1,060,817	586	40	1.8%	606,322	1,843
Pacific	120	0.6%	279,191	508	14	0.6%	131,254	1,162
Pend Oreille	73	0.3%	133,465	433	5	0.2%	44,935	1,248
Pierce	2,260	10.4%	6,321,432	605	255	11.7%	3,684,429	1,928
San Juan	30	0.1%	94,215	698	4	0.2%	61,758	2,287
Skagit	424	2.0%	1,060,617	550	41	1.9%	469,507	1,560
Skamania	46	0.2%	144,541	585	9	0.4%	92,650	1,252
Snohomish	2,128	9.8%	4,925,262	483	195	9.0%	2,386,902	1,587
Spokane	2,168	10.0%	5,192,424	477	193	8.9%	2,447,496	1,656
Stevens	210	1.0%	447,124	395	16	0.7%	155,753	1,162
Thurston	567	2.6%	1,415,248	527	49	2.3%	749,425	1,977
Wahkiakum	1	0.0%	--	--	0	0.0%	-	-
Walla Walla	114	0.5%	378,185	746	16	0.7%	210,001	2,165
Whatcom	763	3.5%	1,987,530	545	78	3.6%	954,798	1,616
Whitman	63	0.3%	143,029	441	5	0.2%	44,742	994
Yakima	793	3.7%	2,455,160	656	90	4.1%	1,417,346	2,167
Unknown	87	0.4%	7,008	22	0	0.0%	-	-

<sup>a</sup>See footnotes to Appendix A for definitions of terms. If only one client appears in a given category, expenditures for that person are suppressed for confidentiality purposes and '--' is shown under expenditures.

*Appendix E. General Assistance-Unemployable (GA-U) Clients  
Expenditures by Primary Diagnosis, Summary*

Primary Diagnosis	GA-U			In High Cost Group		
	Patients	Total Paid	Per Served Person per Month	Patients	Total Paid	Per Served Person per Month
<b>Total</b>	<b>21,717</b>	<b>\$56,073,167</b>	<b>\$539</b>	<b>2,172</b>	<b>\$29,796,208</b>	<b>\$1,835</b>
A - Infectious Disease	2,149	\$10,340,304	\$859	450	\$6,944,204	\$1,992
B - Malignancies	786	\$5,210,917	\$1,274	246	\$3,977,189	\$2,363
C - Endocrine and Metabolic Disorders	2,272	\$9,749,863	\$779	410	\$5,831,164	\$1,884
D - Hematologic Disorders	659	\$4,560,139	\$1,334	210	\$3,548,678	\$2,732
E - Mental Illness	5,867	\$24,732,797	\$802	1,056	\$15,219,973	\$1,939
F - Neurologic and Sensory Disorders	5,859	\$22,757,458	\$697	944	\$13,230,771	\$1,734
G - Cardiovascular	3,693	\$16,814,883	\$831	717	\$10,966,674	\$2,046
H - Respiratory Disease	7,532	\$31,670,225	\$749	1,338	\$19,249,927	\$1,869
I - Gastrointestinal and Liver	5,008	\$23,593,393	\$839	1,045	\$15,104,531	\$1,868
J - Genital or urinary (GU) Disorders	1,933	\$9,994,594	\$928	425	\$6,648,557	\$2,065
K - Obstetric and Gynecological Disorders	2,633	\$10,193,780	\$685	439	\$5,604,334	\$1,572
L - Skin Diseases	3,354	\$15,399,289	\$805	691	\$9,930,909	\$1,855
M - Orthopedic and Rheumatologic Disorders	5,495	\$20,807,068	\$639	899	\$11,891,894	\$1,568
N - Injuries and Poisoning	5,695	\$22,878,278	\$723	949	\$13,899,867	\$1,818
O - All Other	15,258	\$51,515,749	\$642	2,070	\$28,726,233	\$1,839

Note: A client's total costs for medical care during the months in which he or she was eligible for GA-U are counted under each primary diagnosis category for which he/she received care during those months. Thus, clients and their medical costs may be counted under more than one category.

*Appendix F. General Assistance-Unemployable (GA-U) Clients  
Expenditures by Primary Diagnosis, Detail*

Primary Diagnosis, Detail (see ICD9 Codes)	GA-U			In High Cost Group		
	Patients	Total Paid	Per Served Person per Month	Patients	Total Paid	Per Served Person per Month
<b>Total</b>	<b>21,717</b>	<b>\$56,073,167</b>	<b>\$539</b>	<b>2,172</b>	<b>\$29,796,208</b>	<b>\$1,835</b>
A-Infections	2,149	\$10,340,304	\$859	450	\$6,944,204	\$1,992
A01-Infectious, General	1,553	\$7,876,535	\$882	340	\$5,416,241	\$2,074
A02-Infections with Public Health Implications	542	\$2,332,071	\$796	107	\$1,499,189	\$1,729
A03-HIV/AIDS	187	\$950,211	\$1,064	41	\$635,369	\$2,118
B-Malignancies	786	\$5,210,917	\$1,274	246	\$3,977,189	\$2,363
B01-Respiratory Malignancies	88	\$846,036	\$2,120	48	\$747,275	\$2,717
B02-Gastro-intestinal Malignancies	84	\$692,779	\$1,673	36	\$587,068	\$2,731
B03-Breast Cancer	75	\$469,487	\$1,204	28	\$377,165	\$1,676
B04-Leukemia	28	\$280,151	\$2,259	14	\$235,436	\$3,363
B05-Other Malignancies	327	\$2,806,100	\$1,847	122	\$2,321,146	\$3,321
B06-Neoplasm of Uncertain Behavior	433	\$2,952,441	\$1,237	137	\$2,233,053	\$2,267
C-Endocrine	2,272	\$9,749,863	\$779	410	\$5,831,164	\$1,884
C01-Endocrine Disorders except Diabetes	724	\$2,762,895	\$649	125	\$1,471,289	\$1,400
C02-Diabetes	1,247	\$4,880,881	\$729	202	\$2,732,231	\$1,747
C03-Nutritional Deficiencies	82	\$789,758	\$1,917	28	\$683,208	\$4,019
C04-Other Metabolic Disorders	434	\$2,779,036	\$1,200	123	\$2,062,081	\$2,558
D-Hematologic	659	\$4,560,139	\$1,334	210	\$3,548,678	\$2,732
D01-Immune Disorders	113	\$1,157,981	\$2,094	56	\$1,022,735	\$3,299
D02-Hereditary Anemia	6	\$30,665	\$989	1	\$20,230	\$5,057
D03-Bleeding Disorders	104	\$784,214	\$1,529	39	\$631,963	\$2,939
D04-Other Hematologic Disorders	492	\$3,231,065	\$1,242	146	\$2,449,089	\$2,562
E-Mental	5,867	\$24,732,797	\$802	1,056	\$15,219,973	\$1,939
E01-Non-organic Psychosis	2,716	\$12,346,191	\$927	551	\$7,915,842	\$2,065
E02-Organic Psychosis and Dementia (non-alc)	113	\$454,151	\$912	23	\$300,495	\$1,990
E03-Depression and Adjustment Reactions	2,020	\$9,280,786	\$842	405	\$6,033,819	\$1,985
E04-Eating Disorders	289	\$2,092,779	\$1,312	84	\$1,629,170	\$2,899
E05-Childhood Mental Health Issues	135	\$602,760	\$734	25	\$386,329	\$1,764
E06-Other Mental Health Disorders	1,941	\$9,328,762	\$872	427	\$6,058,846	\$1,872
E07-Mental Retardation						
E08-Alcoholic/Drug Psychosis	1,116	\$6,309,767	\$1,044	293	\$4,520,468	\$2,000
F-Neurologic	5,859	\$22,757,458	\$697	944	\$13,230,771	\$1,734
F01-Childhood Neurologic Problems	21	\$54,563	\$479	2	\$20,265	\$1,689
F02-Epilepsy	262	\$1,399,247	\$1,012	55	\$965,491	\$2,390
F03-Headaches	556	\$2,532,107	\$796	118	\$1,510,839	\$1,548
F04-Other Central Nervous System Diseases	525	\$3,398,844	\$1,223	133	\$2,515,796	\$2,588
F05-Diseases of Peripheral Nervous System	1,931	\$7,964,104	\$690	348	\$4,657,192	\$1,584
F06-Disorders of the Eyes	3,700	\$13,186,500	\$650	541	\$7,235,480	\$1,655

*Appendix F. General Assistance-Unemployable (GA-U) Clients  
Expenditures by Primary Diagnosis, Detail*

Primary Diagnosis, Detail (see ICD9 Codes)	GA-U			In High Cost Group		
	Patients	Total Paid	Person per	Patients	Total Paid	Person per
G-Cardiovascular	3,693	\$16,814,883	\$831	717	\$10,966,674	\$2,046
G01-Disease of the Pulmonary Circulation	31	\$221,149	\$1,701	10	\$173,956	\$2,999
G02-Congenital Cardiovascular Anomalies	54	\$476,523	\$1,812	21	\$417,590	\$3,093
G03-Lipid Disorders	812	\$3,085,350	\$645	137	\$1,673,827	\$1,492
G04-Hypertension	1,901	\$7,633,107	\$683	322	\$4,480,719	\$1,679
G05-Ischemic Heart Disease	528	\$3,224,396	\$1,202	156	\$2,529,922	\$2,206
G06-Peripheral Vascular Disease	246	\$1,555,000	\$1,190	82	\$1,214,557	\$2,212
G07-Cerebrovascular Disease	291	\$2,103,838	\$1,468	79	\$1,681,417	\$3,203
G08-Congestive Heart Failure	345	\$2,261,678	\$1,471	98	\$1,821,679	\$2,851
G09-Other Heart Disease	988	\$6,073,763	\$1,217	269	\$4,640,780	\$2,629
H-Respiratory	7,532	\$31,670,225	\$749	1,338	\$19,249,927	\$1,869
H01-Diseases of the Upper Respiratory Tract	4,582	\$18,468,928	\$679	784	\$10,604,122	\$1,633
H02-Chronic Obstructive Pulmonary Disease	1,098	\$5,052,052	\$807	225	\$3,237,268	\$1,863
H03-Asthma	943	\$4,005,062	\$727	188	\$2,316,461	\$1,442
H04-Other Pulmonary Disease	4,027	\$20,781,925	\$942	927	\$14,295,679	\$2,113
I-GI/Liver	5,008	\$23,593,393	\$839	1,045	\$15,104,531	\$1,868
I01-Upper Gastro-Intestinal Disorders	1,395	\$7,383,515	\$900	345	\$4,966,178	\$1,832
I02-Inflammatory Bowel Disease	1,392	\$6,726,960	\$845	315	\$4,377,524	\$1,699
I03-Hepatitis and Liver Diseases	701	\$3,726,102	\$966	169	\$2,564,519	\$2,068
I04-Other Gastro-Intestinal Disorders	3,248	\$16,480,749	\$902	743	\$10,932,353	\$1,933
J-Genito/urinary	1,933	\$9,994,594	\$928	425	\$6,648,557	\$2,065
J01-Nephritis, Nephrotic Syndrome, Nephrosis	141	\$1,223,562	\$1,986	52	\$1,049,463	\$3,342
J02-Other Upper GU Disorders	1,602	\$8,267,704	\$923	346	\$5,460,760	\$2,041
J03-Male Genital Tract Disease	349	\$1,656,863	\$808	78	\$1,057,372	\$1,777
K-OB/Gyn	2,633	\$10,193,780	\$685	439	\$5,604,334	\$1,572
K01-Gynecological Diseases	165	\$857,799	\$907	36	\$503,855	\$1,615
K02-Non-malignant Disorders of the Breast	491	\$2,189,682	\$732	98	\$1,275,289	\$1,563
K03-Ovarian Dysfunction	51	\$172,145	\$523	7	\$87,316	\$1,265
K04-Other Female Genital Disorders	1,901	\$7,344,198	\$682	311	\$3,939,683	\$1,531
K05-Complications of Pregnancy	362	\$1,043,075	\$660	44	\$511,226	\$1,649
K06-Congenital Anomalies	177	\$833,699	\$736	37	\$523,417	\$1,768
K07-Perinatal Problems	49	\$181,896	\$842	9	\$111,557	\$2,066
L-Skin Disease	3,354	\$15,399,289	\$805	691	\$9,930,909	\$1,855
M-Connective Tissue/Diseases of the Spine	5,495	\$20,807,068	\$639	899	\$11,891,894	\$1,568
M01-Connective Tissue Disorders, Polymyalgia	92	\$402,521	\$757	19	\$234,470	\$1,484
M02-Peripheral Arthritis Conditions	1,557	\$6,407,479	\$674	303	\$3,865,208	\$1,466
M03-Diseases of the Spine	4,530	\$17,244,863	\$641	735	\$9,827,146	\$1,578
N-Injuries/poison	5,695	\$22,878,278	\$723	949	\$13,899,867	\$1,818
N01-Fractures	1,862	\$8,180,304	\$836	335	\$5,631,029	\$2,168
N02-Sprains and Strains	3,167	\$12,360,846	\$653	535	\$6,897,917	\$1,503
N03-Superficial Injuries, Contusions, Abrasions	1,440	\$6,942,300	\$844	290	\$4,517,527	\$1,858
N04-Poisoning by Medicinal & Biological Subst.	474	\$3,019,843	\$1,280	145	\$2,281,351	\$2,263
N05-Poisoning by Non-medicinal Substances	179	\$1,218,681	\$1,233	50	\$910,588	\$2,454
O-All Other	15,258	\$51,515,749	\$642	2,070	\$28,726,233	\$1,839

Note: A client's total costs for medical care during the months in which he or she was eligible for GA-U are counted under each primary diagnosis category for which he/she received care during those months. Thus, clients and their medical costs may be counted under more than one category.



**Appendix G. Diagnosis Groupings Based on All ICD-9 Codes\***

	<b>Diagnosis Group</b>	<b>ICD 9 codes</b>
A01	Infections, General	006 - 009 , 038 - 041 , 053 - 054 , 077 - 079 , 110 - 139 , 321 - 324 , 390
A02	Infections With Public Health Implications (excluding HIV/AIDS)	001 - 005 , 010 - 018 , 020 - 036 , 045 - 052 , 055 - 069 , 071 - 072 , 080 - 104 , 320 , 487
A03	HIV / AIDS and related diseases (Kaposi's)	042 , 176
B01	Respiratory malignancies	140 - 149 , 160 - 162 , 231
B02	GI malignancies	150 - 159 , 230
B03	Breast Cancer	174
B04	Leukemia	203 - 208
B05	Other malignancies	163 - 173 , 175 , 177 - 202
B06	Neoplasm of uncertain behavior	235 - 239
C01	Endocrine disorders except diabetes	240 - 249 , 251 - 255 , 257 - 259
C02	Diabetes	250
C03	Nutritional Deficiencies	260 - 269
C04	Other Metabolic Disorders, includes cystic fibrosis	270 - 271 , 273 - 277
D01	Immune disorders, Disorders of white blood cells	279 , 288
D02	Hereditary anemia (sickle cell, thalassemia)	282
D03	Bleeding disorders - Coagulation defects, and hemorrhagic conditions	286 - 287
D04	Other hematologic disorders Anemia and other hematopoietic disorders	280 - 281 , 283 - 285
E01	Non organic psychosis - Schizophrenic disorders, affective psychosis, delusional disorders	295 - 299
E02	Organic psychosis and dementias (except alcohol)	290 , 293 , 310
E03	Depression & adjustment reaction	309 , 311
E04	Eating disorders	278 , 307.5, 783
E05	Childhood mental health issues - Disorders of childhood, includes ADD	313 - 315
E06	Other mental health disorders	300 - 302 , 312 , 316 , 797 , 306 - 307.4 , 307.8 - 308
E07	Mental retardation	317 - 319
E08	Alcoholic psychosisDrug psychosisAlcohol other substance abuse	291 - 292 , 303 - 305
F01	Childhood neurologic problems - Infantile CP, and congenital neurological disorders	343 , 740 - 743
F02	Epilepsy	345
F03	Headaches	346
F04	Other CNS diseases except epilepsy, headaches, and congenital and infantile CP	325 - 344, 347 - 349
F05	Diseases of the peripheral nervous system and sense organs except eyes	350 - 359 , 380 - 389
F06	Disorders of the eyes	360 - 379
G01	Diseases of the pulmonary circulation	416 - 417
G02	Congenital CV anomalies of the heart, lungs, and great vessels	745 - 748
G03	Lipid disorders - Disorders of lipid metabolism	272
G04	Hypertension	401 - 405

**Appendix G. Diagnosis Groupings Based on All ICD-9 Codes\* - continued**

	<b>Diagnosis Group</b>	<b>ICD 9 codes</b>
G05	Ischemic Heart Disease	410 - 414
G06	Peripheral vascular disease - Diseases of arteries (PVD, aneurysm, etc)	440 - 448
G07	Cerebrovascular disease	430 - 438
G08	CHF - Acute cor pulmonale, Congestive Heart Failure	404.11, 404.91, 415 , 425 , 428 , 398.91, 401.11, 402.01, 402.91, 404.01
G09	Other heart disease (Rheumatic Fever, Rheumatic Heart Disease, myocarditis, valvular disease, conductive disorders)	390 - 398 , 420 - 424 , 426 - 427 , 429
H01	Diseases of the upper respiratory tract	460 - 478 , 784
H02	COPD, other obstructive pulmonary disease except asthma	490 - 492 , 494 - 496
H03	Asthma	493
H04	Other pulmonary disease - Pneumonia and Influenza and other non specified pulmonary conditions	480 - 487 , 500 - 519 , 786
I01	UGI disorders - Diseases of esophagus, stomach, and duodenum	530 - 537
I02	Inflammatory bowel disease - Noninfectious enteritis and colitis	555 - 558
I03	Hepatitis and liver diseases	070 , 570 - 573
I04	Other GI disorders	520 - 529 , 538 - 569, 574 - 579 , 751 , 787
J01	Nephritis, Nephrotic Syndrome and Nephrosis (includes chronic renal failure)	580 - 589
J02	Other upper GU disorders including congenital	590 - 599 , 753 , 788 , 791
J03	Male genital tract disease including congenital and excluding malignancies	600 - 608 , 752.5 - 752.6
K01	GYN diseases - Uterine Fibroids, benign neoplasm of ovary, other benign female genital neoplasm	218 - 221
K02	Non malignant disorders of the breast	610 - 611
K03	Ovarian dysfunction	256
K04	Other Female genital disorders including congenital	612 - 629 , 752.1 - 752.4
K05	Complications of Pregnancy	630 - 677
K06	Congenital anomalies	749 - 750 , 752 , 754 - 756 , 758 - 759
K07	Perinatal problems - Certain conditions originating in the perinatal period (includes fetal alcohol syndrome and others)	760 - 779
L01	Skin diseases - Diseases Of Skin And Subcutaneous Tissue, Including Congenital Anomalies	680 - 709 , 757 , 782
M01	Connective tissue disorders, Polymyalgia	710 , 725
M02	Peripheral arthritic conditions - RA, OA, crystal arthropathies, etc.	711 - 716
M03	Diseases of the spine - Dorsopathies (neck, back, disc disease, etc.)	720 - 724
N01	Fractures	800 - 829
N02	Sprains and Strains	840 - 848
N03	Superficial injuries, contusions, abrasions	910 - 924
N04	Poisoning by medicinal and biological substances	960 - 979
N05	Poisoning by non-medicinal substances	980 - 989
O01	All other	All Other

\*Based on diagnostic groupings by Milliman USA, Inc., 9/08/2001.

